

इंटरनेट

मानक

### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11647 (1986): Braille Paper [MHD 10: Medical Laboratory Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard  
SPECIFICATION FOR  
BRA-ILLE PAPER

- 1.Scope** — Specifies requirements for paper for writing and printing braille for the visually impaired.
- 2. Terminology** — For the purpose of this standard the following definitions shall apply.
- 2.1 Substance** — Weight of the paper in grams per square metre under standard atmospheric conditions of  $27 \pm 2^{\circ}\text{C}$  and  $65 \pm 2$  percent relative humidity.
- 3. Requirements**
- 3.1 General** — Braille paper shall be hard pulp ( also called 'ordinary maplithe') paper air-dried and uniform in thickness. Both sides of the paper shall be clean, free from hard spots, wrinkles and foreign matter like oil, etc.
- 3.2 Colour**--- Colour of the paper shall preferably be unbleached cream, white or any other light colour according to the requirements of the purchaser. However, very dark colours like black, dark-blue or violet, etc, shall not be used for the purpose of braille writing or printing.
- 3.3** The various characteristic requirements such as burst factor, tear factor, folding endurance, etc, shall be as given in Table 1.

TABLE 1 REQUIREMENT FOR BRAILLE PAPER

Sl No.	Characteristic	Requirement	Methods of Test
i)	Burst factor, <i>Min</i>	1 5	IS : 1060 ( Part 1 )-1966 ( CI 12.6 )
ii)	Tear factor, <i>Min</i>	6 0	IS : 1060 ( Part 1 )-1966 ( CI 12 8 )
iii)	Folding endurance, <i>Min</i>	60	IS : 1060 ( Part 1 )-1966 (CI 12.7 )
iv)	Stiffness, <i>Min</i>	15	IS : 1060 ( Part 1 )-1966 ( CI 7.3 )
v)	Surface finish, <i>Max</i> ( Parker print surf H-20 )	7 $\mu\text{m}$	—

- 3.4 Substance and Size** — The substance and size of the braille paper to be provided shall be as agreed to between the purchaser and supplier, and shall be selected so as to facilitate the specific braille embossing operation. Suggested substance and sizes are given in Table 2.
- 4. Tolerance** — The actual substance of the braille paper shall not differ from the nominal substance by more than  $\pm 2.5$  percent.
- 5. Marking**
- 5.1 Each package** shall be marked with the following particulars:
- a) Description of the material including size of sheet;
  - b) The mass per ream and grams per square metre;
  - c) **Number** of sheets in package and weight of package;
  - d) Batch number;
  - e) Date of manufacture; and
  - f) Manufacturer's name.

TABLE 2 SUBSTANCE AND SIZE  
( Clause 3.4 )

SI No.	Purpose	Nominal Substance	Recommended Size	Remarks
i)	Printing of text books or general books on flat bed machines	160	56 x 33 cm	Paper may be supplied in the size of 56 x 66 cm for the convenience of packaging and despatch from factory
ii)	Printing of periodicals, leaflets and such other temporary material	150	do	do
iii)	Hand transcribing of text-books/general books on perkins/taj brailers	160	33 x 28 cm	a) The sizes may vary for different braille writers and slates b) The recommended size of braille paper for braille slate as per IS : 11279-1 985 is 35 X 22 cm
iv)	For routine correspondence, notings and such material	140	do	do
v)	Printing of periodicals on rotary printing presses	150	56 x 33 cm	Rolls of suitable size as per the machine requirement
vi)	Notings on pocket frames	140	do	Pads made to size to suit the pocket frames should be provided

5.2 Manufacturer's name and initials or recognized trade-mark may be put as watermark on the paper but shall not be marked with ink or embossing on the surface of the paper.

5.3 **IS/ Certification Marking** — Details available with the Indian Standards Institution.

6. **Packing** — The paper may be packed as agreed to between the purchaser and the manufacturer.

## EXPLANATORY NOTE

On the basis of tests conducted at the Central Pulp and Paper Research Institute, Dehra Dun, on various imported as well as indigenous papers, the Committee decided to specify requirements suiting to the indigenous production. It was, however, suggested that in view of wide variation of values between imported and indigenous papers, the paper manufacturers should improve upon these requirements and the Committee should review these after a period of 3 years since the publication of this standard.